

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-242662

(43)Date of publication of application : 08.09.2000

(51)Int.Cl.

G06F 17/30  
G06F 12/00

(21)Application number : 11-045312

(71)Applicant : MITSUBISHI ELECTRIC CORP

(22)Date of filing : 23.02.1999

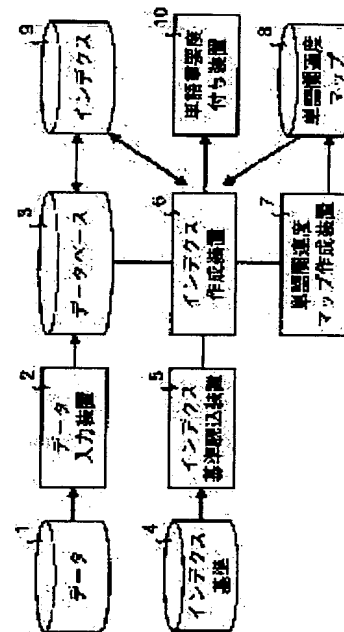
(72)Inventor : MINEGISHI NORIHIRO  
TAKANASHI IKUKO  
TANAKA SATOSHI

## (54) DATA BASE PREPARATION DEVICE AND DATA BASE RETRIEVAL DEVICE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To automatically prepare an index without affecting an index reference by automatically generating a relation degree between words included in data based on the index reference supplied to a data base and performing appropriate weighting to the relation degree further.

**SOLUTION:** A word relation degree map preparation device 7 checks the appearing frequency of the word used by the index reference 4 for the data 1, defines that the simultaneously appearing words are related to each other, calculates the relation degree corresponding to a prescribed calculation formula and obtains a word relation degree map 8. A word importance degree imparting device 10 divides the number of the words appearing in an extract by the number of the words appearing in a title and performs weighting to the words in the title for the portion of the value. An index preparation device 6 temporarily corrects the relation degree of the word relation degree map 8 by weighting and generates the index 9 to the data 1 by using the corrected relation degree.



## LEGAL STATUS

[Date of request for examination] 09.07.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

2.  
[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office